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110 and human

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Entry 1 of 24

File: USPT

Mar 21, 2000

US-PAT-NO: 6040157

DOCUMENT-IDENTIFIER: US 6040157 A

TITLE: Vascular endothelial growth factor 2

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hu; Jing-Shan	Sunnyvale	CA	N/A	N/A
Rosen; Craig A.	Laytonsville	MD	N/A	N/A
Cao; Liang	South Horizons	N/A	N/A	HKX

US-CL-CURRENT: 435/69.4; 435/243, 435/320.1, 435/325, 435/7.1, 530/399,
536/23.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 6013780 A

Entry 2 of 24

File: USPT

Jan 11, 2000

US-PAT-NO: 6013780

DOCUMENT-IDENTIFIER: US 6013780 A

TITLE: VEGF.sub.145 expression vectors

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neufeld; Gera	Haifa	N/A	N/A	ILX
Keshet; Eli	Kiryat Yam	N/A	N/A	ILX
Vlodavsky; Israel	Mevasseret Zion	N/A	N/A	ILX
Poltorak; Zoya	Jerusalem	N/A	N/A	ILX

US-CL-CURRENT: 536/23.1; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5990092 A

Entry 3 of 24

File: USPT

Nov 23, 1999

US-PAT-NO: 5990092
DOCUMENT-IDENTIFIER: US 5990092 A

TITLE: GATA-6 transcription factor: compositions and methods
DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walsh; Kenneth	Carlisle	MA	N/A	N/A

US-CL-CURRENT: 514/44; 435/320.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5941868 A

Entry 4 of 24

File: USPT

Aug 24, 1999

US-PAT-NO: 5941868
DOCUMENT-IDENTIFIER: US 5941868 A

TITLE: Localized intravascular delivery of growth factors for promotion of
angiogenesis
DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaplan; Aaron V.	Los Altos	CA	N/A	N/A
Simons; Michael	Chestnut Hill	MA	N/A	N/A

US-CL-CURRENT: 604/500

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 5. Document ID: US 5935940 A

Entry 5 of 24

File: USPT

Aug 10, 1999

☒ US-PAT-NO: 5935940
DOCUMENT-IDENTIFIER: US 5935940 A

TITLE: Compositions and methods for modulating growth of a tissue in a mammal
DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weisz; Paul B.	State College	PA	N/A	N/A

US-CL-CURRENT: 514/58; 514/21, 530/810, 530/812, 530/813

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 6. Document ID: US 5932540 A

Entry 6 of 24

File: USPT

Aug 3, 1999

US-PAT-NO: 5932540
DOCUMENT-IDENTIFIER: US 5932540 A

TITLE: Vascular endothelial growth factor 2
DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hu; Jing-Shan	Sunnyvale	CA	N/A	N/A
Rosen; Craig A.	Laytonsville	MD	N/A	N/A
Cao; Liang	Hong Kong	N/A	N/A	HKX

US-CL-CURRENT: 514/2; 530/326, 530/399, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 7. Document ID: US 5929081 A

Entry 7 of 24

File: USPT

Jul 27, 1999

US-PAT-NO: 5929081

DOCUMENT-IDENTIFIER: US 5929081 A

TITLE: Method for treating diseases mediated by cellular proliferation in response to PDGF, EGF, FGF and VEGF
DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Paul A.	Snohomish	WA	N/A	N/A
Bursten; Stuart L.	Snoqualmie	WA	N/A	N/A
Rice; Glenn C.	Seattle	WA	N/A	N/A
Singer; Jack W.	Seattle	WA	N/A	N/A

US-CL-CURRENT: 514/263; 514/228.8, 514/229.5, 514/277, 514/300, 514/302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 8. Document ID: US 5916910 A

Entry 8 of 24

File: USPT

Jun 29, 1999

US-PAT-NO: 5916910

DOCUMENT-IDENTIFIER: US 5916910 A

TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and uses therefore
DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA	N/A	N/A

US-CL-CURRENT: 514/423; 514/514, 548/564, 548/573, 558/235

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 9. Document ID: US 5902799 A

Entry 9 of 24

File: USPT

May 11, 1999

US-PAT-NO: 5902799
DOCUMENT-IDENTIFIER: US 5902799 A

TITLE: Methods of modulating tissue growth and regeneration
DATE-ISSUED: May 11, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Herrmann; Howard C.	Bryn Mawr	PA	N/A	N/A
Barnathan; Elliot	Havertown	PA	N/A	N/A
Weisz; Paul B.	State College	PA	N/A	N/A

US-CL-CURRENT: 514/58; 514/21, 530/810, 530/813, 530/817

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 10. Document ID: US 5877281 A

Entry 10 of 24

File: USPT

Mar 2, 1999

US-PAT-NO: 5877281
DOCUMENT-IDENTIFIER: US 5877281 A

TITLE: Developmentally-regulated endothelial cell locus-1
DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Quertermous; Thomas	Nashville	TN	N/A	N/A
Hogan; Brigid	Brentwood	TN	N/A	N/A
Snodgrass; H. Ralph	Powell	OH	N/A	N/A
Zupancic; Thomas Joel	Worthington	OH	N/A	N/A

US-CL-CURRENT: 530/350; 435/69.7, 530/300, 530/383, 530/402, 536/23.1,
536/23.4, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 11. Document ID: US 5874419 A

Entry 11 of 24

File: USPT

Feb 23, 1999

US-PAT-NO: 5874419
DOCUMENT-IDENTIFIER: US 5874419 A

TITLE: Compositions and methods for modulating growth of a tissue in a mammal
DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Herrmann; Howard C.	Bryn Mawr	PA	N/A	N/A
Barnathan; Elliot	Havertown	PA	N/A	N/A
Weisz; Paul B.	State College	PA	N/A	N/A

US-CL-CURRENT: 514/58; 424/617, 424/652, 424/682, 514/21, 514/23, 514/54,
514/60, 514/769, 536/103

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 12. Document ID: US 5874562 A

Entry 12 of 24

File: USPT

Feb 23, 1999

US-PAT-NO: 5874562
DOCUMENT-IDENTIFIER: US 5874562 A

TITLE: Nucleic acid encoding developmentally-regulated endothelial cell locus-1
DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Quertermous; Thomas	Nashville	TN	N/A	N/A
Hogan; Bridgid	Brentwood	TN	N/A	N/A
Snodgrass; H. Ralph	Powell	OH	N/A	N/A
Zupancic; Thomas Joel	Worthington	OH	N/A	N/A

US-CL-CURRENT: 536/23.5; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/69.1,
530/350 , 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 13. Document ID: US 5858990 A

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File: USPT

Jan 12, 1999

US-PAT-NO: 5858990
DOCUMENT-IDENTIFIER: US 5858990 A

TITLE: Fas ligand compositions for treatment of proliferative disorders
DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walsh; Kenneth	Carlisle	MA	N/A	N/A

US-CL-CURRENT: 514/44; 435/320.1, 435/375, 435/377, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 14. Document ID: US 5859018 A

Entry 14 of 24

File: USPT

Jan 12, 1999

US-PAT-NO: 5859018
DOCUMENT-IDENTIFIER: US 5859018 A

TITLE: Method for treating diseases mediated by cellular proliferation in
response to PDGF, EGF, FGF, and VEGF
DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Paul A.	Snohomish	WA	N/A	N/A
Bursten; Stuart L.	Snoqualmie	WA	N/A	N/A
Rice; Glenn C.	Seattle	WA	N/A	N/A
Singer; Jack W.	Seattle	WA	N/A	N/A

US-CL-CURRENT: 514/263; 514/247, 514/315, 514/396, 514/408

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 15. Document ID: US 5847007 A

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File: USPT

Dec 8, 1998

US-PAT-NO: 5847007
DOCUMENT-IDENTIFIER: US 5847007 A

TITLE: Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells
DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grainger; David J.	Cambridge	N/A	N/A	GB2
Metcalfe; James C.	Cambridge	N/A	N/A	GB2
Weissberg; Peter L.	Cambridge	N/A	N/A	GB2

US-CL-CURRENT: 514/651; 514/824

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 16. Document ID: US 5843156 A

Entry 16 of 24

File: USPT

Dec 1, 1998

US-PAT-NO: 5843156
DOCUMENT-IDENTIFIER: US 5843156 A

TITLE: Local polymeric gel cellular therapy
DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slepian; Marvin	Tucson	AZ	N/A	N/A
Massia; Stephen P.	Tucson	AZ	N/A	N/A

US-CL-CURRENT: 128/898; 623/916

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 17. Document ID: US 5811447 A

Entry 17 of 24

File: USPT

Sep 22, 1998

US-PAT-NO: 5811447
DOCUMENT-IDENTIFIER: US 5811447 A

TITLE: Therapeutic inhibitor of vascular smooth muscle cells
DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Klein; Richard A.	Lynnwood	WA	N/A	N/A
Reno; John M.	Brier	WA	N/A	N/A
Grainger; David J.	Cambridge	N/A	N/A	GB2
Metcalfe; James C.	Cambridge	N/A	N/A	GB2
Weissberg; Peter L.	Cambridge	N/A	N/A	GB2
Anderson; Peter G.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 514/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 18. Document ID: US 5795898 A

File: USPT

Aug 18, 1998

Entry 18 of 24

US-PAT-NO: 5795898

DOCUMENT-IDENTIFIER: US 5795898 A

TITLE: Method for treating diseases mediated by cellular proliferation in response to PDGF, EGF, FGF and VEGF
DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Paul A.	Snohomish	WA	N/A	N/A
Bursten; Stuart L.	Snoqualmie	WA	N/A	N/A
Rice; Glenn C.	Seattle	WA	N/A	N/A
Singer; Jack W.	Seattle	WA	N/A	N/A

US-CL-CURRENT: 514/263; 514/247, 514/315, 514/396, 514/408

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 19. Document ID: US 5792453 A

File: USPT

Aug 11, 1998

Entry 19 of 24

US-PAT-NO: 5792453

DOCUMENT-IDENTIFIER: US 5792453 A

TITLE: Gene transfer-mediated angiogenesis therapy
DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hammond; H. Kirk	La Jolla	CA	N/A	N/A
Giordano; Frank J.	Del Mar	CA	N/A	N/A
Dillmann; Wolfgang H.	Solana Beach	CA	N/A	N/A

US-CL-CURRENT: 424/93.21; 435/320.1, 435/366, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 20. Document ID: US 5770609 A

File: USPT

Jun 23, 1998

Entry 20 of 24

US-PAT-NO: 5770609

DOCUMENT-IDENTIFIER: US 5770609 A

TITLE: Prevention and treatment of cardiovascular pathologies
DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grainger; David J.	Cambridge	N/A	N/A	GB2
Metcalfe; James C.	Cambridge	N/A	N/A	GB2
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Schroff; Robert W.	Edmonds	WA	N/A	N/A
Weissberg; Peter L.	Cambridge	N/A	N/A	GB2

US-CL-CURRENT: 514/319; 514/324, 514/422, 514/428, 514/444, 514/448, 514/651

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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Entry 1 of 8

File: USPT

Mar 14, 2000

US-PAT-NO: 6037148

DOCUMENT-IDENTIFIER: US 6037148 A

TITLE: MTBX protein and nucleic acid molecules and uses therefor
DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khodadoust; Mehran	Chestnut Hill	MA	N/A	N/A

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 2. Document ID: US 6031078 A

Entry 2 of 8

File: USPT

Feb 29, 2000

US-PAT-NO: 6031078

DOCUMENT-IDENTIFIER: US 6031078 A

TITLE: MTbx protein and nucleic acid molecules and uses therefor
DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khodadoust; Mehran	Chestnut Hill	MA	N/A	N/A

US-CL-CURRENT: 530/350; 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 3. Document ID: US 6013780 A

Entry 3 of 8

File: USPT

Jan 11, 2000

US-PAT-NO: 6013780
DOCUMENT-IDENTIFIER: US 6013780 A

TITLE: VEGF.sub.145 expression vectors
DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neufeld; Gera	Haifa	N/A	N/A	ILX
Keshet; Eli	Kiryat Yam	N/A	N/A	ILX
Vlodavsky; Israel	Mevaseret Zion	N/A	N/A	ILX
Poltorak; Zoya	Jerusalem	N/A	N/A	ILX

US-CL-CURRENT: 536/23.1; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5916910 A

Entry 4 of 8

File: USPT

Jun 29, 1999

US-PAT-NO: 5916910
DOCUMENT-IDENTIFIER: US 5916910 A

TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and uses therefore
DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA	N/A	N/A

US-CL-CURRENT: 514/423; 514/514, 548/564, 548/573, 558/235

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 5. Document ID: US 5843156 A

Entry 5 of 8

File: USPT

Dec 1, 1998

US-PAT-NO: 5843156
DOCUMENT-IDENTIFIER: US 5843156 A

TITLE: Local polymeric gel cellular therapy
DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slepian; Marvin	Tucson	AZ	N/A	N/A
Massia; Stephen P.	Tucson	AZ	N/A	N/A

US-CL-CURRENT: 128/898; 623/916

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 6. Document ID: US 5811447 A

Entry 6 of 8

File: USPT

Sep 22, 1998

US-PAT-NO: 5811447
DOCUMENT-IDENTIFIER: US 5811447 A

TITLE: Therapeutic inhibitor of vascular smooth muscle cells
DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Klein; Richard A.	Lynnwood	WA	N/A	N/A
Reno; John M.	Brier	WA	N/A	N/A
Grainger; David J.	Cambridge	N/A	N/A	GB2
Metcalfe; James C.	Cambridge	N/A	N/A	GB2
Weissberg; Peter L.	Cambridge	N/A	N/A	GB2
Anderson; Peter G.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 514/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 7. Document ID: US 5792453 A

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File: USPT

Aug 11, 1998

US-PAT-NO: 5792453
DOCUMENT-IDENTIFIER: US 5792453 A

TITLE: Gene transfer-mediated angiogenesis therapy
DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hammond; H. Kirk	La Jolla	CA	N/A	N/A
Giordano; Frank J.	Del Mar	CA	N/A	N/A
Dillmann; Wolfgang H.	Solana Beach	CA	N/A	N/A

US-CL-CURRENT: 424/93.21; 435/320.1, 435/366, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 8. Document ID: US 5733925 A

Entry 8 of 8

File: USPT

Mar 31, 1998

US-PAT-NO: 5733925

DOCUMENT-IDENTIFIER: US 5733925 A

TITLE: Therapeutic inhibitor of vascular smooth muscle cells

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Klein; Richard A.	Lynnwood	WA	N/A	N/A
Reno; John M.	Brier	WA	N/A	N/A
Grainger; David J.	Cambridge	N/A	N/A	GBX
Metcalfe; James C.	Cambridge	N/A	N/A	GBX
Weissberg; Peter L.	Cambridge	N/A	N/A	GBX
Anderson; Peter G.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 514/449; 514/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	K000	Image
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dosage and l6

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USPT	fibroblast growth factor and l3	17	L6
USPT	l4 and l3	0	L5
USPT	recombinant FGF-2	3	L4
USPT	method adj treatment and l1	240	L3
USPT	method of treatment and l1	0	L2
USPT	coronary artery disease	1663	L1

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Entry 1 of 3

File: USPT

Mar 14, 2000

US-PAT-NO: 6037329

DOCUMENT-IDENTIFIER: US 6037329 A

TITLE: Compositions containing nucleic acids and ligands for therapeutic treatment

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baird; J. Andrew	San Diego	CA	N/A	N/A
Chandler; Lois Ann	Encinitas	CA	N/A	N/A
Sosnowski; Barbara A.	Coronado	CA	N/A	N/A

US-CL-CURRENT: 514/44; 424/93.21, 435/320.1, 435/325, 435/455, 435/458, 435/69.1, 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 5981165 A

Entry 2 of 3

File: USPT

Nov 9, 1999

US-PAT-NO: 5981165

DOCUMENT-IDENTIFIER: US 5981165 A

TITLE: In vitro induction of dopaminergic cells

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiss; Samuel	Alberta	N/A	N/A	CAX
Reynolds; Brent	Alberta	N/A	N/A	CAX

US-CL-CURRENT: 435/4; 424/93.7, 435/325, 514/2, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5491220 A

Entry 3 of 3

File: USPT

Feb 13, 1996

US-PAT-NO: 5491220
DOCUMENT-IDENTIFIER: US 5491220 A

TITLE: Surface loop structural analogues of fibroblast growth factors
DATE-ISSUED: February 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seddon; Andrew P.	Monroe	NY	N/A	N/A
Li; Luyuan	New City	NY	N/A	N/A
Bohlen; Peter	Peekskill	NY	N/A	N/A
Eisinger; Magdalena	Demarest	NJ	N/A	N/A
Yayon; Avner	Moshav Sitra	N/A	N/A	ILX

US-CL-CURRENT: 530/399; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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RECOMBINANTS.USPT.	3368
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Entry 1 of 17

File: USPT

Mar 14, 2000

US-PAT-NO: 6037148

DOCUMENT-IDENTIFIER: US 6037148 A

TITLE: MTBX protein and nucleic acid molecules and uses therefor

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khodadoust; Mehran	Chestnut Hill	MA	N/A	N/A

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 2. Document ID: US 6031078 A

Entry 2 of 17

File: USPT

Feb 29, 2000

US-PAT-NO: 6031078

DOCUMENT-IDENTIFIER: US 6031078 A

TITLE: MTbx protein and nucleic acid molecules and uses therefor

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khodadoust; Mehran	Chestnut Hill	MA	N/A	N/A

US-CL-CURRENT: 530/350; 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 3. Document ID: US 6013780 A

Entry 3 of 17

File: USPT

Jan 11, 2000

US-PAT-NO: 6013780
DOCUMENT-IDENTIFIER: US 6013780 A

TITLE: VEGF.sub.145 expression vectors
DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neufeld; Gera	Haifa	N/A	N/A	ILX
Keshet; Eli	Kiryat Yam	N/A	N/A	ILX
Vlodavsky; Israel	Mevasseret Zion	N/A	N/A	ILX
Poltorak; Zoya	Jerusalem	N/A	N/A	ILX

US-CL-CURRENT: 536/23.1; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5997509 A

Entry 4 of 17

File: USPT

Dec 7, 1999

US-PAT-NO: 5997509
DOCUMENT-IDENTIFIER: US 5997509 A

TITLE: Minimally invasive gene therapy delivery device and method
DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosengart; Todd K.	Tenafly	NJ	N/A	N/A
Crystal; Ronald G.	Potomac	MD	N/A	N/A
Hartman; Raymond A.	Carlsbad	CA	N/A	N/A

US-CL-CURRENT: 604/164.01; 604/116, 604/181, 604/187

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 5. Document ID: US 5989245 A

Entry 5 of 17

File: USPT

Nov 23, 1999

US-PAT-NO: 5989245
DOCUMENT-IDENTIFIER: US 5989245 A

TITLE: Method and apparatus for therapeutic laser treatment
DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prescott; Marvin A.	Los Angeles	CA	90049	N/A

US-CL-CURRENT: 606/14; 607/89

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 6. Document ID: US 5916910 A

Entry 6 of 17

File: USPT

Jun 29, 1999

US-PAT-NO: 5916910
DOCUMENT-IDENTIFIER: US 5916910 A

TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and
uses therefore
DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA	N/A	N/A

US-CL-CURRENT: 514/423; 514/514, 548/564, 548/573, 558/235

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 7. Document ID: US 5865794 A

Entry 7 of 17

File: USPT

Feb 2, 1999

US-PAT-NO: 5865794
DOCUMENT-IDENTIFIER: US 5865794 A

TITLE: Drug delivery catheter
DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Castro; Anthony J.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 604/508; 604/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 8. Document ID: US 5846225 A

Entry 8 of 17

File: USPT

Dec 8, 1998

US-PAT-NO: 5846225
DOCUMENT-IDENTIFIER: US 5846225 A

TITLE: Gene transfer therapy delivery device and method
DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosengart; Todd K.	Tenafly	NJ	N/A	N/A
Hartman; Raymond A.	Carlsbad	CA	N/A	N/A
Mack, III; Charles A.	New York	NY	N/A	N/A

US-CL-CURRENT: 604/115; 604/191

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 9. Document ID: US 5843156 A

Entry 9 of 17

File: USPT

Dec 1, 1998

US-PAT-NO: 5843156
DOCUMENT-IDENTIFIER: US 5843156 A

TITLE: Local polymeric gel cellular therapy
DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slepian; Marvin	Tucson	AZ	N/A	N/A
Massia; Stephen P.	Tucson	AZ	N/A	N/A

US-CL-CURRENT: 128/898; 623/916

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 10. Document ID: US 5836905 A

Entry 10 of 17

File: USPT

Nov 17, 1998

US-PAT-NO: 5836905
DOCUMENT-IDENTIFIER: US 5836905 A

TITLE: Apparatus and methods for gene therapy
DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lemelson; Jerome H.	Incline Village	NV	89451	N/A
Parker; J. Kevin	Highland Park	IL	60035	N/A

US-CL-CURRENT: 604/21; 604/101.05, 606/15, 607/116

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 11. Document ID: US 5811447 A

Entry 11 of 17

File: USPT

Sep 22, 1998

US-PAT-NO: 5811447
DOCUMENT-IDENTIFIER: US 5811447 A

TITLE: Therapeutic inhibitor of vascular smooth muscle cells
DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Klein; Richard A.	Lynnwood	WA	N/A	N/A
Reno; John M.	Brier	WA	N/A	N/A
Grainger; David J.	Cambridge	N/A	N/A	GB2
Metcalfe; James C.	Cambridge	N/A	N/A	GB2
Weissberg; Peter L.	Cambridge	N/A	N/A	GB2
Anderson; Peter G.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 514/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 12. Document ID: US 5792453 A

Entry 12 of 17

File: USPT

Aug 11, 1998

US-PAT-NO: 5792453
DOCUMENT-IDENTIFIER: US 5792453 A

TITLE: Gene transfer-mediated angiogenesis therapy
DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hammond; H. Kirk	La Jolla	CA	N/A	N/A
Giordano; Frank J.	Del Mar	CA	N/A	N/A
Dillmann; Wolfgang H.	Solana Beach	CA	N/A	N/A

US-CL-CURRENT: 424/93.21; 435/320.1, 435/366, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 13. Document ID: US 5733925 A

Entry 13 of 17

File: USPT

Mar 31, 1998

US-PAT-NO: 5733925
DOCUMENT-IDENTIFIER: US 5733925 A

TITLE: Therapeutic inhibitor of vascular smooth muscle cells
DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunz; Lawrence L.	Redmond	WA	N/A	N/A
Klein; Richard A.	Lynnwood	WA	N/A	N/A
Reno; John M.	Brier	WA	N/A	N/A
Grainger; David J.	Cambridge	N/A	N/A	GBX
Metcalfe; James C.	Cambridge	N/A	N/A	GBX
Weissberg; Peter L.	Cambridge	N/A	N/A	GBX
Anderson; Peter G.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 514/449; 514/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 14. Document ID: US 5707969 A

Entry 14 of 17

File: USPT

Jan 13, 1998

US-PAT-NO: 5707969
DOCUMENT-IDENTIFIER: US 5707969 A

TITLE: Treatment of diseases by site-specific instillation of cells or site-specific transformation of cells and kits therefor
DATE-ISSUED: January 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nabel; Elizabeth G.	Ann Arbor	MI	N/A	N/A
Nabel; Gary J.	Ann Arbor	MI	N/A	N/A

US-CL-CURRENT: 514/44; 435/320.1, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 15. Document ID: US 5698531 A

File: USPT

Dec 16, 1997

Entry 15 of 17

US-PAT-NO: 5698531

DOCUMENT-IDENTIFIER: US 5698531 A

TITLE: Treatment of diseases by site-specific instillation of cells or
site-specific transformation of cells and kits therefor
DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nabel; Elizabeth G.	Ann Arbor	MI	N/A	N/A
Nabel; Gary J.	Ann Arbor	MI	N/A	N/A

US-CL-CURRENT: 514/44; 435/320.1, 435/456, 435/458, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 16. Document ID: US 5626562 A

File: USPT

May 6, 1997

Entry 16 of 17

US-PAT-NO: 5626562

DOCUMENT-IDENTIFIER: US 5626562 A

TITLE: Drug delivery catheter
DATE-ISSUED: May 6, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Castro; Anthony J.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 604/508; 606/159, 606/180

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 17. Document ID: US 5328470 A

File: USPT

Jul 12, 1994

Entry 17 of 17

US-PAT-NO: 5328470

DOCUMENT-IDENTIFIER: US 5328470 A

TITLE: Treatment of diseases by site-specific instillation of cells or
site-specific transformation of cells and kits therefor
DATE-ISSUED: July 12, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nabel; Elizabeth G.	Ann Arbor	MI	N/A	N/A
Nabel; Gary J.	Ann Arbor	MI	N/A	N/A

US-CL-CURRENT: 604/101.03; 606/194

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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	Title	Current OR	Current XRef
1	Transvascular TMR device and method	606/33	604/114 ; 606/15 ; 607/101
2	Substituted diphenyl indanone, indane and indole compounds and analogues thereof useful for the treatment of prevention of diseases characterized by abnormal cell proliferation	514/467	514/475 ; 514/544 ; 514/546 ; 514/617 ; 514/640 ; 514/717 ; 549/430 ; 549/453 ; 549/550 ; 558/388 ; 560/221 ; 560/56 ; 560/57 ; 564/180 ; 564/265 ; 568/659 ; 568/808 ; 568/809
3	Methods for using therapeutic compounds containing xanthinyl	514/263	
4	Vascular endothelial growth factor 2	435/69.4	435/243 ; 435/320.1 ; 435/325 ; 435/7.1 ; 530/399 ; 536/23.51
5	Compositions containing nucleic acids and ligands for therapeutic treatment	514/44	424/93.21 ; 435/320.1 ; 435/325 ; 435/455 ; 435/458 ; 435/69.1 ; 530/350 ; 536/23.1

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	Title	Current OR	Current XRef
6	Oligonucleotide analogs, their preparation and use	435/375	435/442 ; 435/6 ; 435/91.1 ; 536/23.1 ; 536/24.3 ; 536/24.33 ; 536/24.5 ; 536/25.3 ; 536/25.31
7	Triaryl methane compounds and analogues thereof useful for the treatment or prevention of sickle cell disease or diseases characterized by abnormal cell proliferation	514/492	514/183 ; 514/319 ; 514/358 ; 514/410 ; 552/100 ; 552/101 ; 552/105 ; 556/489 ; 558/401 ; 558/405 ; 558/407 ; 560/312 ; 564/316
8	Folding self-expandable intravascular stent		606/194
9	Smooth muscle 22.alpha. promoter, gene transfer vectors containing the same, and method of use of the same to target gene expression in arterial smooth muscle cells	435/375	435/320.1 ; 514/44 ; 536/23.1 ; 536/23.5 ; 536/24.1 ; 536/24.5
10	Fibroblast growth factor 15	435/69.1	530/324 ; 530/350
11	VEGF.sub.145 expression vectors	536/23.1	435/320.1
12	Folding self-expandable intravascular stent-graft		606/194 ; 623/1.12
13	Antisense oligonucleotide modulation of raf gene expression	514/44	435/375 ; 536/24.5

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	Title	Current OR	Current XRef
14	Minimally invasive gene therapy delivery device and method	604/164.01	604/116 ; 604/181 ; 604/187
15	Attenuation of wound healing processes	424/94.5	424/94.61 ; 435/200 ; 435/201 ; 435/232 ; 514/2 ; 514/8 ; 530/825 ; 536/23.2 ; 536/23.4
16	Laser delivery means adapted for drug delivery	385/117	604/21 ; 606/15 ; 606/16
17	Anti-angiogenic Compositions and methods for the treatment of arthritis	514/449	514/250 ; 514/825 ; 514/886
18	Anti-invasive and anti-angiogenic compositions and methods	514/16	514/13 ; 514/2 ; 530/328
19	GATA-6 transcription factor: compositions and methods	514/44	435/320.1 ; 536/23.5
20	Method and apparatus for therapeutic laser treatment	606/14	607/89
21	Benzimidazoles for inhibiting protein tyrosine kinase mediated cellular proliferation	514/394	514/393 ; 548/302.1 ; 548/304.4 ; 548/304.7
22	Device and method for non-occlusive localized drug delivery	424/423	604/103.07 ; 604/264 ; 604/523 ; 604/530
23	Methods and compositions for enhancing the bioadhesive properties of polymers	424/434	424/489 ; 424/9.3

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24	Methods for enhancing angiogenesis with endothelial progenitor cells	424/93.7	424/85.1 ; 424/85.2 ; 514/44 ; 514/8
25	Inhibition of intimal hyperplasia using antibodies to PDGF receptors and heparin	424/145.1	424/130.1 ; 424/133.1 ; 424/135.1 ; 424/141.1 ; 424/158.1 ; 514/56
26	In vivo gene transfer methods for wound healing	514/44	424/93.21 ; 435/320.1 ; 435/325 ; 435/455 ; 435/458 ; 536/24.5
27	Methods and compositions for enhancing the bioadhesive properties of polymers using organic excipients	424/434	424/486 ; 424/491 ; 424/497 ; 424/499 ; 523/105 ; 523/113 ; 525/165 ; 525/419 ; 528/271 ; 528/272
28	Antisense oligonucleotide modulation of raf gene expression	435/375	514/44 ; 536/24.5
29	6-aryl naphthyridines for inhibiting protein tyrosine kinase mediated cellular proliferation	514/300	514/252.16 ; 514/253.04 ; 514/256 ; 514/258 ; 544/279 ; 544/300 ; 544/333 ; 544/405 ; 546/122
30	Electroporation-mediated intravascular delivery	604/500	604/21

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	Title	Current OR	Current XRef
31	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	514/651	
32	Localized intravascular delivery of growth factors for promotion of angiogenesis	604/500	
33	Compositions and methods for modulating growth of a tissue in a mammal	514/58	514/21 ; 530/810 ; 530/812 ; 530/813
34	Detecting thermal discrepancies in vessel walls	600/474	600/549
35	Vascular endothelial growth factor 2	514/2	530/326 ; 530/399 ; 530/402
36	PDGF receptor kinase inhibitory compounds their preparation and compositions	514/249	514/250 ; 544/344 ; 544/345 ; 544/353
37	Method for treating diseases mediated by cellular proliferation in response to PDGF, EGF, FGF and VEGF	514/263	514/228.8 ; 514/229.5 ; 514/277 ; 514/300 ; 514/302
38	Laser assisted drug delivery	604/30	604/20
39	Antisense oligonucleotide modulation of raf gene expression	514/44	435/375
40	Recombinant production of saporin-containing proteins	435/69.7	435/252.33 ; 435/320.1 ; 435/69.4 ; 536/23.4
41	Method of inhibiting intimal hyperplasia	514/12	514/8

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	U	1	Document ID	Issue Date	Pages
42	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5906636 A	19990525	
43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5902811 A	19990511	
44	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5902799 A	19990511	
45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5889011 A	19990330	
46	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5886026 A	19990323	
47	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5882644 A	19990316	
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49	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5876432 A	19990302	

	Title	Current OR	Current XRef
42	Heat treatment of inflamed tissue	607/96	606/27
43	Method for preventing intervention-associated stenosis and other symptoms associated with stenosis of blood vessels following non-bypass, invasive interventions	514/250	514/415 ; 514/654
44	Methods of modulating tissue growth and regeneration	514/58	514/21 ; 530/810 ; 530/813 ; 530/817
45	Substituted amino alkyl compounds	514/263	514/261 ; 544/264 ; 544/265 ; 544/267
46	Anti-angiogenic compositions and methods of use	514/449	
47	Monoclonal antibodies specific for the platelet derived growth factor .beta. receptor and methods of use thereof	424/143.1	424/133.1 ; 530/387.3 ; 530/388.22
48	Targeted delivery via biodegradable polymers	424/489	424/423 ; 424/501 ; 514/2 ; 514/21 ; 514/824 ; 514/964 ; 514/965
49	Self-expandable helical intravascular stent and stent-graft	623/1.13	606/191 ; 623/1.16 ; 623/1.2 ; 623/12

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50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5873811 A	19990223	
51	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5874419 A	19990223	
52	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5869462 A	19990209	
53	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5865794 A	19990202	
54	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5860950 A	19990119	
55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5858990 A	19990112	
56	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5858991 A	19990112	
57	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5859018 A	19990112	

	Title	Current OR	Current XRef
50	Composition containing a radioactive component for treatment of vessel wall	600/3	
51	Compositions and methods for modulating growth of a tissue in a mammal	514/58	424/617 ; 424/652 ; 424/682 ; 514/21 ; 514/23 ; 514/54 ; 514/60 ; 514/769 ; 536/103
52	Inhibition of proliferation of vascular smooth muscle cell	514/44	424/450 ; 435/375 ; 435/377 ; 536/24.3 ; 536/24.31 ; 536/24.33 ; 536/24.5
53	Drug delivery catheter	604/508	604/22
54	Arthroscopic irrigation solution and method for inhibition of pain and inflammation	604/500	604/890.1
55	Fas ligand compositions for treatment of proliferative disorders	514/44	435/320.1 ; 435/375 ; 435/377 ; 435/6 ; 435/69.1
56	Facilitation of wound healing with CM101/GBS toxin	514/54	536/55.1
57	Method for treating diseases mediated by cellular proliferation in response to PDGF, EGF, FGF, and VEGF	514/263	514/247 ; 514/315 ; 514/396 ; 514/408

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58	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5858017 A	19990112	
59	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5856461 A	19990105	
60	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5854223 A	19981229	
61	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5851521 A	19981222	
62	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5846225 A	19981208	
63	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5846720 A	19981208	
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65	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5843156 A	19981201	
66	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5843172 A	19981201	

	Title	Current OR	Current XRef
58	Urologic irrigation solution and method for inhibition of pain, inflammation and spasm	604/890.1	604/892.1
59	Oligonucleotides to inhibit the expression of isoprenyl protein transferases	536/24.5	536/23.1
60	S-DC28 as an antirestenosis agent after balloon injury	514/44	536/24.5
61	Viral vectors and their use for treating hyperproliferative disorders, in particular restenosis	424/93.2	435/320.1 ; 435/325 ; 435/375 ; 435/456 ; 514/44 ; 536/23.5
62	Gene transfer therapy delivery device and method	604/115	604/191
63	Methods of determining chemicals that modulate expression of genes associated with cardiovascular disease	435/6	435/320.1 ; 435/69.8 ; 435/91.5
64	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	514/651	514/824
65	Local polymeric gel cellular therapy	128/898	623/916
66	Porous medicated stent	623/1.42	604/104 ; 606/191 ; 606/198

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	U	1	Document ID	Issue Date	Pages
67	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5837534 A	19981117	
68	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5837703 A	19981117	
69	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5836905 A	19981117	

	Title	Current OR	Current XRef
67	Smooth muscle 22.alpha. promoter, gene transfer vectors containing the same, and method of use of the same to target gene expression in arterial smooth muscle cells	435/320.1	536/23.1 ; 536/23.5 ; 536/24.1 ; 536/24.5
68	Amino-alcohol substituted cyclic compounds	514/183	514/211 ; 514/228.8 ; 514/241 ; 514/242 ; 514/249 ; 514/256 ; 514/259 ; 514/263 ; 514/270 ; 514/274 ; 514/309 ; 514/312 ; 514/315 ; 514/348 ; 514/357 ; 514/374 ; 514/400 ; 514/425 ; 514/427 ; 540/467 ; 540/544 ; 544/216 ; 544/257 ; 544/272 ; 544/286 ; 544/301 ; 544/311 ; 544/335 ; 546/141 ; 546/142 ; 546/157 ; 546/246
69	Apparatus and methods for gene therapy	604/21	604/101.05 ; 606/15 ; 607/116

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	U	1	Document ID	Issue Date	Pages
70	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5834440 A	19981110	
71	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5833651 A	19981110	
72	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5830879 A	19981103	
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74	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5827289 A	19981027	
75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5824644 A	19981020	

	Title	Current OR	Current XRef
70	Ribozyme therapy for the inhibition of restenosis	514/44	435/320.1 ; 435/325 ; 435/366 ; 435/371 ; 435/375 ; 435/455 ; 435/6 ; 435/91.31 ; 536/23.1 ; 536/23.2 ; 536/24.5
71	Therapeutic intraluminal stents	604/509	604/265 ; 623/1.11
72	Treatment of vascular injury using vascular endothelial growth factor	514/44	435/320.1 ; 435/69.4 ; 435/69.6 ; 435/69.8 ; 435/91.2 ; 536/23.5 ; 536/23.51
73	Methods for promoting wound healing and treating transplant-associated vasculopathy	424/94.4	424/94.1 ; 435/189
74	Inflatable device for use in surgical protocols relating to treatment of fractured or diseased bones	606/86	606/191 ; 606/192 ; 606/60
75	Method of attenuating arterial stenosis	514/12	424/422 ; 514/2 ; 514/21 ; 530/324 ; 530/350 ; 530/380

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77	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5820583 A	19981013	
78	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5817662 A	19981006	
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80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5811447 A	19980922	
81	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5807861 A	19980915	
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84	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5800385 A	19980901	

	Title	Current OR	Current XRef
76	Inhibition of proliferation of vascular smooth muscle cell	514/44	424/450 ; 435/375 ; 435/377 ; 536/24.3 ; 536/24.31 ; 536/24.33 ; 536/24.5
77	Surgical irrigation solution and method for inhibition of pain and inflammation	604/500	604/890.1
78	Substituted amino alkyl compounds	514/263	424/824 ; 424/825
79	C-myb ribozymes having 2'-5'-linked adenylate residues	536/24.5	435/6 ; 435/91.31 ; 536/23.1 ; 536/23.2
80	Therapeutic inhibitor of vascular smooth muscle cells	514/411	
81	Amine substituted xanthinyl compounds	514/263	
82	Therapeutic compounds containing pyrimidinyl moieties	514/269	544/309 ; 544/310 ; 544/311 ; 544/312
83	Therapeutic compounds containing a monocyclic five- to six- membered ring structure having one to two nitrogen atoms	514/269	514/256 ; 544/242 ; 544/298 ; 544/301 ; 544/302
84	Vascular irrigation solution and method for inhibition of pain, inflammation, spasm and restenosis	604/507	

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85	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5801181 A	19980901	
86	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5801182 A	19980901	
87	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5798372 A	19980825	
88	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5795875 A	19980818	
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	Title	Current OR	Current XRef
85	Amino alcohol substituted cyclic compounds	514/263	514/183 ; 514/249 ; 514/259 ; 514/274 ; 514/309 ; 514/315 ; 514/418 ; 514/425 ; 514/617 ; 514/619 ; 514/626 ; 514/668 ; 514/669
86	Amine substituted compounds	514/269	514/274 ; 544/310 ; 544/311 ; 544/312
87	Method for preventing onset of restenosis after angioplasty employing a retinoid	514/356	514/460 ; 514/568 ; 514/572
88	Therapeutic methods of using O-desulfated heparin derivatives	514/56	514/921 ; 536/21
89	Method for treating diseases mediated by cellular proliferation in response to PDGF, EGF, FGF and VEGF	514/263	514/247 ; 514/315 ; 514/396 ; 514/408
90	Gene transfer-mediated angiogenesis therapy	424/93.21	435/320.1 ; 435/366 ; 536/23.5
91	Fibrin-binding peptide fragments of fibronectin	514/2	424/9.1 ; 435/69.6 ; 514/8 ; 530/350 ; 530/402
92	Hydroxyl-containing xanthine compounds	514/263	
93	Acetal-and ketal-substituted pyrimidine compounds	544/242	544/267

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95	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5773252 A	19980630	
96	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5770609 A	19980623	
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	Title	Current OR	Current XRef
94	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	514/651	514/824
95	Fibroblast growth factor 15	435/69.4	435/252.33 ; 435/320.1 ; 435/348 ; 435/365.1 ; 536/23.51
96	Prevention and treatment of cardiovascular pathologies	514/319	514/324 ; 514/422 ; 514/428 ; 514/444 ; 514/448 ; 514/651
97	Oxime substituted therapeutic compounds	514/263	544/271 ; 544/273
98	Catheter tip retainer	604/104	604/108 ; 606/198
99	Inhibition of vascular smooth muscle cell proliferation with implanted matrix containing vascular endothelial cells	424/93.7	424/425 ; 424/426 ; 435/174 ; 435/177 ; 435/180 ; 435/395 ; 435/397 ; 435/398 ; 435/402
100	Fibroblast growth factor 11	435/69.1	435/252.3 ; 435/320.1 ; 435/325 ; 536/23.5
101	Regulation of smooth muscle cell proliferation	530/350	
102	Inhibition of cell proliferation using antisense oligonucleotides	514/44	435/375 ; 435/377 ; 435/6 ; 536/24.5
103	Antisense oligonucleotide modulation of raf gene expression	435/375	514/44 ; 536/24.5

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109	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5721266 A	19980224	

	Title	Current OR	Current XRef
104	Sulfated maltooligosaccharides with heparin-like properties	514/24	514/23 ; 514/25 ; 514/53 ; 514/54 ; 514/61 ; 514/824 ; 536/109 ; 536/118 ; 536/4.1 ; 536/59
105	Therapeutic inhibitor of vascular smooth muscle cells	514/449	514/411
106	Pyrido[2, 3-d]pyrimidines for inhibiting protein tyrosine kinase mediated cellular proliferation	514/258	544/279
107	6-Aryl pyrido[2,3-d] pyrimidines and naphthyridines for inhibiting protein tyrosine kinase mediated cellular proliferation	514/258	544/279 ; 544/300 ; 546/122 ; 546/123
108	Fibroblast growth factor 13	435/69.1	435/320.1 ; 435/325 ; 536/23.51
109	Substituted imidazolinyl-imidazolines as antagonists of SH-2 binding and therapeutic uses thereof	514/398	514/400 ; 514/401 ; 514/402

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	Title	Current OR	Current XRef
110	Anti-angiogenic compositions and methods of use	514/449	128/898 ; 526/304 ; 528/421 ; 604/20 ; 604/21 ; 604/269 ; 604/508 ; 606/198 ; 623/1.15
111	Treatment of diseases by site-specific instillation of cells or site-specific transformation of cells and kits therefor	514/44	435/320.1 ; 435/6 ; 435/69.1
112	Drug loaded elastic membrane and method for delivery	606/192	604/104 ; 604/96.01 ; 606/198
113	Treatment of diseases by site-specific instillation of cells or site-specific transformation of cells and kits therefor	514/44	435/320.1 ; 435/456 ; 435/458 ; 435/6 ; 435/69.1
114	Suppression of nitric oxide production by osteopontin	424/184.1	424/278.1 ; 424/85.5 ; 514/12 ; 514/2 ; 530/300 ; 530/326 ; 530/330 ; 530/351
115	Halogen, isothiocyanate or azide substituted xanthines	514/258	514/263 ; 544/267 ; 544/272 ; 544/277
116	Regulation of smooth muscle cell proliferation	435/375	514/824
117	Lipid constructs for targeting to vascular smooth muscle tissue	424/450	514/24 ; 514/9

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	Title	Current OR	Current XRef
118	Compositions for inhibiting restenosis	514/58	514/21 ; 514/23 ; 514/54 ; 514/60 ; 530/810 ; 530/812 ; 530/813 ; 536/103
119	Rel a targeted ribozymes	435/366	435/320.1 ; 435/325 ; 435/6 ; 435/91.31 ; 514/44 ; 536/23.1 ; 536/23.2 ; 536/24.5
120	Antisense oligonucleotide modulation of raf gene expression	514/44	435/375 ; 435/6 ; 435/91.1 ; 536/23.1 ; 536/24.5
121	Nitric oxide-releasing polymers to treat restenosis and related disorders	514/772.4	514/611 ; 514/772.6 ; 514/773 ; 514/784 ; 514/785 ; 514/788
122	Inhibition of vascular stenosis	424/145.1	424/158.1 ; 530/387.1 ; 530/388.24 ; 530/389.2
123	C-myb targeted ribozymes	435/366	435/320.1 ; 435/325 ; 435/353 ; 435/6 ; 435/91.31 ; 514/44 ; 536/23.1 ; 536/23.2 ; 536/24.5

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125	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5639726 A	19970617	
126	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5631237 A	19970520	
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	Title	Current OR	Current XRef
124	Use of, and method of treatment using, carbazoyl-(4)-oxypropano lamine compounds for inhibition of smooth muscle cell proliferation	514/411	
125	Peptide mediated enhancement of thrombolysis methods and compositions	514/12	514/13 ; 514/14 ; 514/15 ; 514/16 ; 530/324 ; 530/325 ; 530/326 ; 530/327 ; 530/328
126	Method for producing in vivo delivery of therapeutic agents via liposomes	514/44	264/4.1 ; 264/4.3 ; 264/4.6 ; 424/417 ; 424/450 ; 428/402.2
127	Drug delivery catheter	604/508	606/159 ; 606/180
128	Pyrido [2,3-D]pyrimidines for inhibiting protein tyrosine kinase mediated cellular proliferation	514/258	544/279
129	Inhibition of intimal hyperplasia using antibodies to PDGF beta receptors	424/143.1	424/130.1 ; 424/133.1 ; 424/135.1 ; 424/152.1
130	Method of treating atherosclerosis or restenosis using microtubule stabilizing agent	514/449	514/824

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	U	1	Document ID	Issue Date	Pages
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	Title	Current OR	Current XRef
131	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	514/651	514/824
132	Method for identifying an agent which increases TGF-beta levels	424/9.2	
133	Methods of determining chemicals that modulate transcriptionally expression of genes associated with cardiovascular disease	435/6	435/91.1 ; 435/91.2
134	Method for preventing intervention-associated stenosis and other symptoms associated with stenosis of blood vessels following non-bypass, invasive interventions	514/250	514/288 ; 514/619
135	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	436/518	
136	Extraluminal regulation of the growth and repair of tubular structures in vivo	424/422	424/423 ; 424/426 ; 424/430
137	Olefin substituted long chain compounds	546/243	544/285 ; 546/242
138	Apparatus and method for retaining a catheter in a blood vessel in a fixed position	604/104	604/107 ; 604/523 ; 606/198

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	U	1	Document ID	Issue Date	Pages
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	Title	Current OR	Current XRef
139	Prevention and treatment of pathologies associated with abnormally proliferative smooth muscle cells	514/651	514/824
140	Cell signaling inhibitors	514/558	514/258 ; 514/262 ; 514/274 ; 514/299 ; 514/315 ; 514/418 ; 514/425 ; 514/529 ; 514/552 ; 514/561 ; 514/613 ; 514/617 ; 514/626 ; 514/629 ; 514/669 ; 544/254 ; 544/285 ; 544/301 ; 546/183 ; 546/243 ; 548/486 ; 548/556
141	Extraluminal regulation of the growth and repair of tubular structures in vivo	424/422	424/423 ; 424/426
142	Treatment of athereosclerosis using, carbazolyl-(4)-oxypropano lamine compounds	514/411	
143	Device for local drug delivery and methods for using the same	424/423	623/1.42 ; 623/12
144	Atherectomy catheter	604/22	606/101 ; 606/159

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150	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5314688 A	19940524	

	Title	Current OR	Current XRef
145	Use of, and method of treatment using, hydroxycarbazole compounds for inhibition of smooth muscle migration and proliferation	514/410	514/411
146	Sulfated polysaccharides as inhibitors of smooth muscle cell proliferation	514/56	514/54 ; 536/17.2 ; 536/17.5 ; 536/17.6 ; 536/18.7 ; 536/21
147	Genetically engineered endothelial cells exhibiting enhanced migration and plasminogen activator activity	424/423	424/93.21 ; 435/320.1 ; 435/366 ; 600/36 ; 623/925
148	Treatment of diseases by site-specific instillation of cells or site-specific transformation of cells and kits therefor	604/101.03	606/194
149	Treatment of accelerated atherosclerosis with interleukin-2 receptor targeted molecules	424/85.2	424/144.1 ; 424/183.1 ; 435/69.5 ; 435/69.52 ; 435/69.7 ; 435/70.21 ; 514/2 ; 514/21 ; 514/8 ; 514/824
150	Local delivery of dipyridamole for the treatment of proliferative diseases	424/423	264/4.1 ; 424/422 ; 424/489 ; 600/36 ; 604/264 ; 623/1.42

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156	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5270047 A	19931214	
157	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5250519 A	19931005	

	Title	Current OR	Current XRef
151	Use of, and method of treatment using, carbazoly1-(4)-oxypropano lamine compounds for inhibition of smooth muscle cell proliferation	514/411	
152	Treatment of vascular injury	424/422	514/2 ; 514/21 ; 530/350 ; 530/399 ; 530/402
153	Method of treating hyperproliferative vascular disease	514/56	424/122 ; 514/291
154	Method of treating hyperproliferative vascular disease	514/458	
155	Non-anticoagulant heparin derivatives	514/56	514/54 ; 536/21 ; 536/53 ; 536/54 ; 536/55 ; 536/55.1 ; 536/55.3
156	Local delivery of dipyridamole for the treatment of proliferative diseases	424/422	424/423 ; 424/424 ; 424/425 ; 424/426 ; 424/450 ; 424/484 ; 424/489 ; 424/78.08
157	Non-anticoagulant heparin derivatives	514/56	514/54 ; 536/124 ; 536/21 ; 536/53 ; 536/55.3

[illegible]

	U	1	Document ID	Issue Date	Pages
158	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5244460 A	19930914	8
159	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5219739 A	19930615	
160	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5194596 A	19930316	
161	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5057494 A	19911015	
162	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4778787 A	19881018	

	Title	Current OR	Current XRef
158	Method to foster myocardial blood vessel growth and improve blood flow to the heart	604/508	
159	DNA sequences encoding bVEGF120 and hVEGF121 and methods for the production of bovine and human vascular endothelial cell growth factors, bVEGF.sub.120 and hVEGF.sub.121	435/69.4	435/320.1 ; 435/69.1 ; 530/399 ; 536/23.5 ; 536/23.51
160	Production of vascular endothelial cell growth factor	530/399	530/350
161	Method for preventing tissue damage after an ischemic episode	514/12	514/21
162	Method for treatment of angina and myocardial infarctions with omental lipids	514/25	424/551 ; 514/54 ; 514/558

[illegible]



- ⊞ Drafts
- ⊞ Pending
- ⊞ Active
 - ⊞ L1: (5882) angioplasty
 - ⊞ L3: (3990) (1 AND BALLOON)
 - ⊞ L5: (91414) (CORONARY OR ARTERY OR DISEASE)
 - ⊞ L7: (3649) (3 AND 5)
 - ⊞ L9: (2706) (7 AND TREATMENT)
 - ⊞ L11: (416473) (FIBROBLAST OR GROWTH OR FACTOR)
 - ⊞ L13: (1206) (9 AND 11)
 - ⊞ L15: (2316) (FIBROBLAST ADJ GROWTH ADJ FACTOR)
 - ⊞ L19: (162) (15 AND 9)
- ⊞ Failed
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U	1	Document ID	Issue Date	Pages	Title	Current OR	Cu
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Entry 1 of 1

File: USPT

Apr 25, 2000

US-PAT-NO: 6054122

DOCUMENT-IDENTIFIER: US 6054122 A

TITLE: Supplemented and unsupplemented tissue sealants, methods of their production and use

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
MacPhee; Martin James	Gaithersburg	MD	N/A	N/A
Drohan; William Nash	Springfield	VA	N/A	N/A
Woolverton; Christopher J.	Kent	OH	N/A	N/A

US-CL-CURRENT: 424/94.4; 424/94.1, 424/94.64, 514/2, 514/54, 530/380, 530/381, 530/382, 530/383, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 8 Numbers](#)[Edit 8 Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: US 6043272 A

Entry 1 of 3

File: USPT

Mar 28, 2000

US-PAT-NO: 6043272

DOCUMENT-IDENTIFIER: US 6043272 A

TITLE: Substituted diphenyl indanone, indane and indole compounds and analogues thereof useful for the treatment of prevention of diseases characterized by abnormal cell proliferation
DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brugnara; Carlo	Newton Highlands	MA	N/A	N/A
Halperin; Jose	Brookline	MA	N/A	N/A
Fluckiger; Rudolf	Brookline	MA	N/A	N/A
Bellott, Jr.; Emile M.	Beverly	MA	N/A	N/A
Lombardy; Richard John	Littleton	MA	N/A	N/A
Clifford; John J.	Arlington	MA	N/A	N/A
Gao; Ying-Duo	North Edison	NJ	N/A	N/A
Haidar; Reem M.	Woburn	MA	N/A	N/A
Kelleher; Eugene W.	Somerville	MA	N/A	N/A
Moussa; Adel M.	Burlington	MA	N/A	N/A
Sachdeva; Yesh P.	Concord	MA	N/A	N/A
Sun; Minghua	Libertyville	IL	N/A	N/A
Taft; Heather N.	Littleton	MA	N/A	N/A

US-CL-CURRENT: 514/467; 514/475, 514/544, 514/546, 514/617, 514/640, 514/717, 549/430, 549/453, 549/550, 558/388, 560/221, 560/56, 560/57, 564/180, 564/265, 568/659, 568/808, 568/809

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 6028103 A

Entry 2 of 3

File: USPT

Feb 22, 2000

US-PAT-NO: 6028103

DOCUMENT-IDENTIFIER: US 6028103 A

TITLE: Triaryl methane compounds and analogues thereof useful for the treatment or prevention of sickle cell disease or diseases characterized by abnormal cell proliferation

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brugnara; Carlo	Newton Highlands	MA	N/A	N/A
Halperin; Jose	Brookline	MA	N/A	N/A
Bellot, Jr.; Emile M.	Beverly	MA	N/A	N/A
Froimowitz; Mark	Newton Centre	MA	N/A	N/A
Lombardy; Richard John	Waltham	MA	N/A	N/A
Clifford; John J.	Bedford	MA	N/A	N/A
Gao; Ying-Duo	Neshanic Station	NJ	N/A	N/A
Haidar; Reem M.	Malden	MA	N/A	N/A
Kelleher; Eugene W.	Somerville	MA	N/A	N/A
Kher; Falguni M.	Chelmsford	MA	N/A	N/A
Moussa; Adel M.	Burlington	MA	N/A	N/A
Sachdeva; Yesh P.	Concord	MA	N/A	N/A
Sun; Minghua	Cambridge	MA	N/A	N/A
Taft; Heather N.	Littleton	MA	N/A	N/A

US-CL-CURRENT: 514/492; 514/183, 514/319, 514/358, 514/410, 552/100, 552/101, 552/105, 556/489, 558/401, 558/405, 558/407, 560/312, 564/316

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5643936 A

Entry 3 of 3

File: USPT

Jul 1, 1997

US-PAT-NO: 5643936

DOCUMENT-IDENTIFIER: US 5643936 A

TITLE: Treatments for diseases characterized by neovascularization

DATE-ISSUED: July 1, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halperin; Jose	Brookline	MA	N/A	N/A
Brugnara; Carlo	Newton Highlands	MA	N/A	N/A

US-CL-CURRENT: 514/399; 514/396

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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USPT	unit dosage	16995	<u>L5</u>
USPT	composition and l2	13	<u>L4</u>
USPT	11 and l2	1	<u>L3</u>
USPT	angiogenesis induction	15	<u>L2</u>
USPT	FGF-2	77	<u>L1</u>

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              SDI/UPDATE SEARCH FIELD
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NEWS 15 May 1 AIDSLINE has been reloaded

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NEWS LOGIN     Welcome Banner and News Items
NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
NEWS WWW       CAS World Wide Web Site (general information)

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=> s fibroblast growth factor

L1 40133 FIBROBLAST GROWTH FACTOR

=> s composition and l1

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=> s composition and l1

L2 2413 COMPOSITION AND L1

=> s l2 and dose

L3 1054 L2 AND DOSE

=> s l3 and angiogenesis

L4 316 L3 AND ANGIOGENESIS

=> s l4 and mutein

L5 15 L4 AND MUTEIN

=> d l5 ti abs ibib tot

L5 ANSWER 1 OF 15 USPATFULL

TI Compositions containing nucleic acids and ligands for therapeutic
treatment

AB Preparations of conjugates of a receptor-binding internalized ligand
and

a cytocide-encoding agent and compositions containing such preparations
are provided. The conjugates contain a polypeptide that is reactive

with
an FGF receptor, such as bFGF, or another heparin-binding growth
factor,
cytokine, or growth factor coupled to a nucleic acid binding domain.

One
or more linkers may be used in the conjugation. The linker is selected
to increase the specificity, toxicity, solubility, serum stability, or
intracellular availability, and promote nucleic acid condensation of

the
targeted moiety. The conjugates are complexed with a cytocide-encoding
agent, such as DNA encoding saporin. Conjugates of a receptor-binding
internalized ligand to a nucleic acid molecule are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:31403 USPATFULL

TITLE: Compositions containing nucleic acids and ligands for therapeutic treatment
INVENTOR(S): Baird, J. Andrew, San Diego, CA, United States
Chandler, Lois Ann, Encinitas, CA, United States
Sosnowski, Barbara A., Coronado, CA, United States
PATENT ASSIGNEE(S): Selective Genetics, Inc., La Jolla, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6037329	20000314
APPLICATION INFO.:	US 1996-718904	19960924 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-441979, filed on 16 May 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-213446, filed on 15 Mar 1994, now abandoned Ser. No. Ser. No. US 1994-213447, filed on 15 Mar 1994, now abandoned Ser. No. Ser. No. US 1994-297961, filed on 29 Aug 1994, now abandoned And Ser. No. US 1994-305771, filed on 13 Sep 1994, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Priebe, Scott D.	
ASSISTANT EXAMINER:	Nguyen, Dave Trong	
LEGAL REPRESENTATIVE:	Seed and Berry LLP	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	34 Drawing Figure(s); 25 Drawing Page(s)	
LINE COUNT:	7163	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 2 OF 15 USPATFULL

TI CXC chemokines as regulators of **angiogenesis**

AB Disclosed are various discoveries concerning the angiogenic and angiostatic properties of the CXC chemokines, including the finding that

the ELR motif controls the ability of these molecules to induce **angiogenesis**. Aspects of the invention include, for example, the identification of IP-10, MIG and certain IL-8 analogues as angiostatic agents, and their use in inhibiting **angiogenesis** in various systems.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:21711 USPATFULL
TITLE: CXC chemokines as regulators of **angiogenesis**
INVENTOR(S): Strieter, Robert M., Ann Arbor, MI, United States
Polverini, Peter J., Ann Arbor, MI, United States
Kunkel, Steven L., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): The Regent of the University of Michigan, Ann Arbor, MI, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5871723	19990216
APPLICATION INFO.:	US 1995-468819	19950606 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Draper, Garnette D.	
LEGAL REPRESENTATIVE:	Arnold, White & Durkee	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 71 Drawing Page(s)	
LINE COUNT:	6055	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 3 OF 15 USPATFULL

TI Uses of recombinant colony stimulating factor-1
AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in usable amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:143640 USPATFULL
TITLE: Uses of recombinant colony stimulating factor-1
INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5837229	19981117
APPLICATION INFO.:	US 1995-371805	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. 5104650	
	US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650	
	which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 21 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1995-728834, filed on 30 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Walsh, Stephen	
ASSISTANT EXAMINER:	Mertz, Prema	
LEGAL REPRESENTATIVE:	O'Toole, Marshall; Potter, Jane E. R.; Blackburn, Robert P.	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1947	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 15 USPATFULL

TI Treatment of vascular injury using vascular endothelial growth factor
AB The present invention provides a method for inducing reendothelialization of the lining of an injured blood vessel comprising contacting the injured portion of the vessel with nucleic acid encoding an endothelial cell mitogen such as vascular endothelial growth factor

(VEGF) operably linked to a promoter to result in expression of the mitogen when delivered to the cells at the site of vascular injury. The resulting reendothelialization of the injured blood vessel inhibits smooth muscle cell proliferation and consequently reduces restenosis. The methods of the present invention may be used to treat any blood vessel injury that results in denuding of the endothelial lining of the vessel wall, including, for example, those injuries resulting from balloon angioplasty and deployment of endovascular stents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:135026 USPATFULL
 TITLE: Treatment of vascular injury using vascular endothelial growth factor
 INVENTOR(S): Isner, Jeffrey M., Weston, MA, United States
 PATENT ASSIGNEE(S): St. Elizabeth's Medical Center of Boston, Inc., Boston, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5830879	19981103
APPLICATION INFO.:	US 1995-538301	19951002 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Stanton, Brian R.	
ASSISTANT EXAMINER:	Schmuck, Jill D.	
LEGAL REPRESENTATIVE:	Conlin, David G.; Resnick, David S. Dike, Bronstein, Roberts & Cushman, LLP	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 13 Drawing Page(s)	
LINE COUNT:	1137	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 15 USPATFULL

TI Analogs for specific oligosaccharide-protein interactions and uses therefor

AB Disclosed are (1) methods for identifying natural and synthetic sequences having binding specificity for glycan-binding proteins, including proteins that act as effectors of biological activity, (2) compositions and methods of producing protein-specific glycosaminoglycan sequence and ligand antagonists capable of modulating the effector function of these ligands, and therapeutic compositions comprising these antagonists; and 3) compositions and methods for producing protein-specific glycosaminoglycan sequence analogs useful as agonists, and therapeutic compositions comprising these agonists.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:98884 USPATFULL
 TITLE: Analogs for specific oligosaccharide-protein interactions and uses therefor
 INVENTOR(S): Witt, Daniel P., Hamilton, MA, United States
 Herlihy, Jr., Walter C., Beverly, MA, United States
 PATENT ASSIGNEE(S): Repligen Corporation, Needham, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5795860	19980818
APPLICATION INFO.:	US 1994-202989	19940228 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-24558, filed on 1 Mar 1993, now abandoned	

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Peselev, Elli
LEGAL REPRESENTATIVE: Testa, Hurwitz & Thibeault, LL
NUMBER OF CLAIMS: 67
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 23 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 2449
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 15 USPATFULL

TI Use of CSF-1 to treat tumor burden

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:24914 USPATFULL

TITLE: Use of CSF-1 to treat tumor burden

INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States
Devlin, James, Lafayette, CA, United States
Zimmerman, Robert, Orinda, CA, United States
Aukerman, Sharon Lea, Yountville, CA, United States
Ring, David B., Redwood City, CA, United States
Ma, Sylvia Hsieh, Fremont, CA, United States
Chiron Corporation, Emeryville, CA, United States

PATENT ASSIGNEE(S):
(U.S.

corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5725850	19980310
APPLICATION INFO.:	US 1995-371924	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 21 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-728834, filed on 30 Apr 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	

NUMBER DATE

PRIORITY INFORMATION: WO 1986-WO4607 19860203
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Ulm, John
ASSISTANT EXAMINER: Mertz, Prema
LEGAL REPRESENTATIVE: Marshall, O'Toole et al.; Potter, Jane E.R.;
Blackburn,
Robert P.
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1811
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 15 USPATFULL

TI Deletion muteins of hst-1

AB A deletion type **mutein** of heparin-binding secretory transforming factor (hst-1) possesses excellent cell growth promoting activity and is stable. The present **mutein** can therefore be used as a therapeutic medicine such as a healing promoter for burns, wounds, surgical injuries etc.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 97:52108 USPATFULL

TITLE: Deletion muteins of hst-1

INVENTOR(S): Terada, Masaaki, Tokyo, Japan
Sakamoto, Hiromi, Chiba, Japan
Yoshida, Teruhiko, Tokyo, Japan
Igarashi, Koichi, Kyoto, Japan
Kozai, Yoshio, Osaka, Japan

PATENT ASSIGNEE(S): President of National Cancer Center, Tokyo, Japan
(non-U.S. corporation)
Takeda Chemical Industries, Ltd., Osaka, Japan
(non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	✓ US 5639862	19970617
APPLICATION INFO.:	US 1995-446198	19950519 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-6869, filed on 19 Jan 1993, now abandoned which is a continuation of Ser. No.	
	US 1990-589913, filed on 28 Sep 1990, now abandoned	

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-262331	19891006
	JP 1989-273036	19891019
	JP 1989-303607	19891121
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	LeGuyader, John L.	
LEGAL REPRESENTATIVE:	Conlin, David G.; Buckley, Linda M.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 10 Drawing Page(s)	
LINE COUNT:	1046	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 8 OF 15 USPATFULL

TI Use of CSF-1 to treat viral infections

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 97:47092 USPATFULL
TITLE: Use of CSF-1 to treat viral infections
INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5635175	19970603
APPLICATION INFO.:	US 1995-371804	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 29 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-728834, filed on 30 Apr 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ulm, John	
ASSISTANT EXAMINER:	Mertz, Prema	
LEGAL REPRESENTATIVE:	McGarrigle, Jr., Philip L.; Blackburn, Robert P.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1774	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 15 USPATFULL

TI Use of recombinant colony stimulating factor-1 to enhance wound healing
AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 96:84903 USPATFULL
TITLE: Use of recombinant colony stimulating factor-1 to enhance wound healing

INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Auckerman, Sharon, Yountville, CA, United States
Devlin, James, Lafayette, CA, United States
PATENT ASSIGNEE(S): Cetus Oncology Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5556620	19960917
APPLICATION INFO.:	US 1994-220454	19940331 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 21 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-728834, filed on 30 Apr 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Walsh, Stephen	
ASSISTANT EXAMINER:	Mertz, Prema	
LEGAL REPRESENTATIVE:	McGarrigle, Philip L.; Blackburn, Robert P.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1714	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 10 OF 15 USPATFULL

TI Surface loop structural analogues of fibroblast growth factors
AB Structural analogues of fibroblast growth factors have an amino acid sequence replacement in the ninth or tenth .beta.-strand of the factor, or the sequence that corresponds to the surface loop that connects the ninth and tenth .beta.-strands, such that the folding of the molecule is not significantly perturbed. Preferred analogues have the amino acid sequence replacement in the surface loop that extends from the ninth .beta.-strand to the tenth .beta.-strand and have the overall secondary and tertiary structure of the original factor, and bind to heparin and a member or members of the **fibroblast growth factor** receptor family with high affinity. In some embodiments, the analogues are prepared by replacing the surface loop sequence that connects the ninth and tenth .beta.-strand with another amino acid sequence such as a loop sequence from another structurally related **fibroblast growth factor** or an interleukin. Preferred analogues exhibit different biological properties and/or receptor binding specificity profiles from native factors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 96:12941 USPATFULL
TITLE: Surface loop structural analogues of fibroblast growth factors
INVENTOR(S): Seddon, Andrew P., Monroe, NY, United States
Li, Luyuan, New City, NY, United States
Bohlen, Peter, Peekskill, NY, United States
Eisinger, Magdalena, Demarest, NJ, United States
Yayon, Avner, Moshav Sitra, Israel
PATENT ASSIGNEE(S): Yeda Research and Development Co., Ltd., Rehovat, Israel (non-U.S. corporation)
American Cyanamid Company, Wayne, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5491220	19960213
APPLICATION INFO.:	US 1994-290373	19940815 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-126973, filed on 24 Sep 1993, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Allen, Marianne P.	
LEGAL REPRESENTATIVE:	St. Onge Steward Johnston & Reens	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 10 Drawing Page(s)	
LINE COUNT:	1511	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 15 USPATFULL

TI Use of recombinant colony stimulating factor 1

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

ACCESSION NUMBER: 95:49930 USPATFULL
TITLE: Use of recombinant colony stimulating factor 1
INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States
PATENT ASSIGNEE(S): Cetus Oncology Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5422105	19950606
APPLICATION INFO.:	US 1994-204801	19940301 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-17963, filed on 12 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-572149, filed on 23 Aug 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650	

which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed

on 21 Jan 1986, now abandoned which is a
continuation-in-part of Ser. No. US 1985-756814, filed
on 18 Jul 1985, now abandoned which is a
continuation-in-part of Ser. No. US 1985-744924, filed
on 14 Jun 1985, now abandoned which is a
continuation-in-part of Ser. No. US 1985-728834, filed
on 30 Apr 1985, now abandoned which is a
continuation-in-part of Ser. No. US 1985-698359, filed
on 5 Feb 1985, now abandoned

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Low, Christopher S. F.
LEGAL REPRESENTATIVE: McGarrigle, Philip L.; Blackburn, Robert P.
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 2057

L5 ANSWER 12 OF 15 USPATFULL

TI Acid-resistant FGF **composition** for treating ulcerating
diseases of the gastrointestinal tract

AB This invention describes pharmaceutical compositions and methods of
treating ulcerating diseases of the gastrointestinal tract in mammals
with an acid-resistant **fibroblast growth**
factor compositions. Also described is the use of acid-resistant
fibroblast growth factor compositions in the
treatment of various other **fibroblast growth**
factor-responsive conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 95:27288 USPATFULL

TITLE: Acid-resistant FGF **composition** for treating
ulcerating diseases of the gastrointestinal tract

INVENTOR(S): Folkman, Moses J., Brookline, MA, United States
Kato, Koichi, Kawabe, Japan

PATENT ASSIGNEE(S): Takeda Chemical Industries, Osaka, Japan (non-U.S.
corporation)
Children's Medical Center, Boston, MA, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5401721	19950328
APPLICATION INFO.:	US 1992-862776	19920403 (7)
DISCLAIMER DATE:	20091229	
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1989-382263, filed on 20 Jul 1989, now patented, Pat. No. US 5175147 which is a continuation-in-part of Ser. No. US 1988-234966, filed on 19 Aug 1988, now abandoned	

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Hill, Jr., Robert J.
ASSISTANT EXAMINER: Davenport, A. M.
LEGAL REPRESENTATIVE: Conlin, David G.; Resnick, David S.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 838

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 15 USPATFULL

TI Glucan sulfate, stabilized **fibroblast growth**
factor composition

AB **Fibroblast growth factor** (FGF) or a
mutein of FGF is stabilized by bringing FGF or a **mutein**
of FGF into contact with a glucan sulfate in an aqueous medium. Thus

obtained **composition** comprising (a) FGF or a **mutein** of FGF and (b) **glucan sulfate** is stabilized, that it can be advantageously administered to warm-blooded animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 94:44613 USPATFULL

TITLE: Glucan sulfate, stabilized **fibroblast growth factor composition**

INVENTOR(S): Kato, Koichi, Kawanishi, Japan
Kawahara, Kenji, Izumi, Japan
Kajio, Tomoko, Minoo, Japan

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Osaka, Japan
(non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	✓ US 5314872	19940524
APPLICATION INFO.:	US 1989-360602	19890602 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1988-138907	19880606
	JP 1988-185772	19880725
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Moezie, F. T.	
LEGAL REPRESENTATIVE:	Conlin, David G.; Buckley, Linda M.	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	1138	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 15 USPATFULL

TI Synergistic **composition** comprising a **fibroblast growth factor** and a sulfated polysaccharide, for use as antiviral agent

AB A pharmaceutical **composition** is provided for use in the prevention or treatment of viral infections caused by enveloped viruses.

The **composition** comprises a **fibroblast growth factor**, a sulfated polysaccharide with antiviral activity, and one or more pharmaceutically acceptable carriers. The **fibroblast growth factor** may be a basic **fibroblast growth factor** or an analogue thereof, and the polysaccharide may be a carrageenan, heparin, dextran sulfate, pentosan polysulfate or a sulfated polysaccharides produced by marine algae belonging to the class of Rhodophyceae.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 94:15728 USPATFULL

TITLE: Synergistic **composition** comprising a **fibroblast growth factor** and a sulfated polysaccharide, for use as antiviral agent

INVENTOR(S): Ungheri, Domenico, Parabiago, Italy
Garofano, Luisa, Monza, Italy
Battistini, Carlo, Novate Milanese, Italy
Carminati, Paolo, Milan, Italy
Mazue, Guy, Milan, Italy

PATENT ASSIGNEE(S): Farmitalia Carlo Erba S.R.L., Milan, Italy (non-U.S. corporation)

NUMBER	DATE
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PATENT INFORMATION: US 5288704 19940222
APPLICATION INFO.: US 1992-830330 19920131 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1991-2145	19910131
	GB 1992-410	19920109
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Wityshyn, Michael G.	
ASSISTANT EXAMINER:	Sayala, C.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	768	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 15 USPATFULL

TI Acid-resistant FGF **composition** and method of treating
ulcerating diseases of the gastrointestinal tract

AB This invention describes pharmaceutical compositions and methods of
treating ulcerating diseases of the gastrointestinal tract in mammals
with an acid-resistant **fibroblast growth**
factor compositions. Also described is the use of acid-resistant
fibroblast growth factor compositions in the
treatment of various other **fibroblast growth**
factor-responsive conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 92:106809 USPATFULL

TITLE: Acid-resistant FGF **composition** and method of
treating ulcerating diseases of the gastrointestinal
tract

INVENTOR(S): Folkman, Moses J., Brookline, MA, United States
Kato, Koichi, Kawabe, Japan

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd, Japan (non-U.S.
corporation)
Children's Medical Center Corporation, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5175147	19921229
APPLICATION INFO.:	US 1989-382263	19890720 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-234966, filed on 19 Aug 1988, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Moezie, F. T.	
LEGAL REPRESENTATIVE:	Conlin, David G.; Williams, Gregory D.; Resnick, David S.	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 12 Drawing Page(s)	
LINE COUNT:	1258	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 11:47:11 ON 01 MAY 2000)

FILE 'MEDLINE, BIOSIS, CAPLUS, USPATFULL' ENTERED AT 11:47:29 ON 01 MAY
2000

L1 40133 S FIBROBLAST GROWTH FACTOR
L2 2413 S COMPOSITION AND L1
L3 1054 S L2 DOSE
L4 316 S L3 AND ANGIOGENESIS
L5 15 S L4 AND MUTEIN

=> s 15 and unit dose

L6 0 L5 AND UNIT DOSE

=> s 15 and single dose

L7 5 L5 AND SINGLE DOSE

=> d 17 ti abs ibib tot

L7 ANSWER 1 OF 5 USPATFULL

TI Uses of recombinant colony stimulating factor-1

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:143640 USPATFULL

TITLE: Uses of recombinant colony stimulating factor-1

INVENTOR(S): Ralph, Peter, Orinda, CA, United States

Chong, Kong T., Union City, CA, United States

PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States
(U.S.

corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5837229	19981117
APPLICATION INFO.:	US 1995-371805	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 21 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1995-728834, filed on 30 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Walsh, Stephen
ASSISTANT EXAMINER: Mertz, Prema
LEGAL REPRESENTATIVE: O'Toole, Marshall; Potter, Jane E. R.; Blackburn, Robert P.
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1947
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 5 USPATFULL

TI Use of CSF-1 to treat tumor burden

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:24914 USPATFULL

TITLE: Use of CSF-1 to treat tumor burden

INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States
Devlin, James, Lafayette, CA, United States
Zimmerman, Robert, Orinda, CA, United States
Aukerman, Sharon Lea, Yountville, CA, United States
Ring, David B., Redwood City, CA, United States
Ma, Sylvia Hsieh, Fremont, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States
(U.S.

corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5725850	19980310
APPLICATION INFO.:	US 1995-371924	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 21 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-728834, filed on 30 Apr 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1986-WO4607	19860203
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ulm, John	
ASSISTANT EXAMINER:	Mertz, Prema	
LEGAL REPRESENTATIVE:	Marshall, O'Toole et al.; Potter, Jane E.R.; Blackburn,	

Robert P.

NUMBER OF CLAIMS: 14

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)

LINE COUNT: 1811

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 5 USPATFULL

TI Use of CSF-1 to treat viral infections

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 97:47092 USPATFULL

TITLE: Use of CSF-1 to treat viral infections

INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Chong, Kong T., Union City, CA, United States

PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5635175	19970603
APPLICATION INFO.:	US 1995-371804	19950111 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-220454, filed on 31 Mar 1994, now patented, Pat. No. US 5556620 which is a continuation of Ser. No. US 1993-24094, filed on 26 Feb 1993, now abandoned which is a continuation of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650 which is a continuation-in-part of Ser. No. US 1986-876819, filed on 20 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-821068, filed on 29 Jan 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-756814, filed on 18 Jul 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-744924, filed on 14 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-728834, filed on 30 Apr 1985, now abandoned which is a continuation-in-part of Ser. No. US 1985-698359, filed on 5 Feb 1985, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ulm, John	

ASSISTANT EXAMINER: Mertz, Prema
LEGAL REPRESENTATIVE: McGarrigle, Jr., Philip L.; Blackburn, Robert P.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1774
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 5 USPATFULL
TI Use of recombinant colony stimulating factor-1 to enhance wound healing
AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating
or preventing bacterial, viral or fungal infections, neoplasms,
leukopenia, wounds, and in overcoming the immunosuppression induced by
chemotherapy or resulting from other causes. CSF-1 is obtained in
usable amounts by recombinant methods, including cloning and expression of the
murine and human DNA sequences encoding this protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 96:84903 USPATFULL
TITLE: Use of recombinant colony stimulating factor-1 to
enhance wound healing
INVENTOR(S): Ralph, Peter, Orinda, CA, United States
Auckerman, Sharon, Yountville, CA, United States
Devlin, James, Lafayette, CA, United States
PATENT ASSIGNEE(S): Cetus Oncology Corporation, Emeryville, CA, United
States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5556620	19960917
APPLICATION INFO.:	US 1994-220454	19940331 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-24094, filed on 26	
Feb	1993, now abandoned which is a continuation of Ser.	
No.	US 1990-505256, filed on 5 Apr 1990, now abandoned	
	which is a continuation-in-part of Ser. No. US	
	1988-243253, filed on 14 Sep 1988, now abandoned which	
	is a continuation-in-part of Ser. No. US 1987-99872,	
	filed on 22 Sep 1987, now patented, Pat. No. US	
5104650	which is a continuation-in-part of Ser. No. US	
	1986-876819, filed on 20 Jun 1986, now abandoned which	
	is a continuation-in-part of Ser. No. US 1986-821068,	
	filed on 21 Jan 1986, now abandoned which is a	
	continuation-in-part of Ser. No. US 1985-756814, filed	
	on 18 Jul 1985, now abandoned which is a	
	continuation-in-part of Ser. No. US 1985-744924, filed	
	on 14 Jun 1985, now abandoned which is a	
	continuation-in-part of Ser. No. US 1985-728834, filed	
	on 30 Apr 1985, now abandoned which is a	
	continuation-in-part of Ser. No. US 1985-698359, filed	
	on 5 Feb 1985, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Walsh, Stephen	
ASSISTANT EXAMINER:	Mertz, Prema	
LEGAL REPRESENTATIVE:	McGarrigle, Philip L.; Blackburn, Robert P.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1714	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L7 ANSWER 5 OF 5 USPATFULL

TI Use of recombinant colony stimulating factor 1

AB A colony stimulating factor, CSF-1, is a lymphokine useful in treating or preventing bacterial, viral or fungal infections, neoplasms, leukopenia, wounds, and in overcoming the immunosuppression induced by chemotherapy or resulting from other causes. CSF-1 is obtained in

usable

amounts by recombinant methods, including cloning and expression of the murine and human DNA sequences encoding this protein.

ACCESSION NUMBER: 95:49930 USPATFULL

TITLE: Use of recombinant colony stimulating factor 1

INVENTOR(S): Ralph, Peter, Orinda, CA, United States

Chong, Kong T., Union City, CA, United States

PATENT ASSIGNEE(S): Cetus Oncology Corporation, Emeryville, CA, United States (U.S. corporation)

NUMBER	DATE
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RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-17963, filed on 12 Feb	
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1993, now abandoned which is a continuation of Ser.

No.

US 1990-572149, filed on 23 Aug 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-505256, filed on 5 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-243253, filed on 14 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-99872, filed on 22 Sep 1987, now patented, Pat. No. US 5104650

which

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PRIMARY EXAMINER: Low, Christopher S. F.

LEGAL REPRESENTATIVE: McGarrigle, Philip L.; Blackburn, Robert P.

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EXEMPLARY CLAIM: 1

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E5	3	WHITEHOUSE A A K/AU
E6	2	WHITEHOUSE A B/AU
E7	10	WHITEHOUSE A C/AU
E8	1	WHITEHOUSE A C D/AU
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E4	2	WHITEHOUSEF J R/AU
E5	8	WHITEHURST A/AU
E6	1	WHITEHURST A J/AU
E7	5	WHITEHURST A W/AU
E8	1	WHITEHURST ANDREW/AU
E9	1	WHITEHURST ARTHUR W/AU
E10	6	WHITEHURST B M/AU
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E2	1	WHITEHOUSE YEO M/AU
E3	0 -->	WHITEHOUSE, MARTHA JO/AU
E4	2	WHITEHOUSEF J R/AU
E5	8	WHITEHURST A/AU
E6	1	WHITEHURST A J/AU
E7	5	WHITEHURST A W/AU
E8	1	WHITEHURST ANDREW/AU
E9	1	WHITEHURST ARTHUR W/AU
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